

First Named Component Leaching Index Values for CRP
North Star Area, Alaska: Detailed Soil Map Legend (initial)

(see footnotes at end of table)

Map Symbol	Component Name	Map Unit Name	Drained Index	Undrained Index
101	BOHICA	Bohica silt loam, 0 to 3 percent slopes		3
102	BOHICA	Bohica silt loam, 3 to 7 percent slopes		3
104	ESTER	Ester peat, 7 to 15 percent slopes		1
105	ESTER	Ester peat, 15 to 45 percent slopes		1
106	ESTER	Ester-Gilmore complex, 15 to 45 percent slopes		1
107	FAIRBANKS	Fairbanks silt loam, 3 to 7 percent slopes		3
108	FAIRBANKS	Fairbanks silt loam, 7 to 12 percent slopes		3
109	FAIRBANKS	Fairbanks silt loam, 12 to 20 percent slopes		3
110	GILMORE	Gilmore silt loam, 3 to 7 percent slopes		1
111	GILMORE	Gilmore silt loam, 7 to 12 percent slopes		1
112	GILMORE	Gilmore silt loam, 12 to 45 percent slopes		1
113	GILMORE	Gilmore-Ester complex, 15 to 45 percent slopes		1
114	GILMORE	Gilmore-Steese complex, 3 to 15 percent slopes		1
115	GOLDSTREAM	Goldstream peat, 0 to 3 percent slopes		1
116	GOLDSTREAM	Goldstream peat, 3 to 7 percent slopes		1
117	GOLDSTREAM	Goldstream-Pergelic Cryohemists complex, 0 to 2 percent slopes		1
120	FUBAR	Histic Pergelic Cryaquepts-Fubar complex, 3 to 7 percent slopes		1
123	JARVIS	Jarvis-Fubar complex, 0 to 3 percent slopes		3
124	JARVIS	Jarvis-Salchaket complex, 0 to 3 percent slopes		3
129	SALCHAKET	Salchaket very fine sandy loam, 0 to 2 percent slopes		3
130	SAULICH	Saulich peat, 3 to 7 percent slopes		1
131	SAULICH	Saulich peat, 7 to 12 percent slopes		1
132	SAULICH	Saulich peat, 12 to 20 percent slopes		1
133	SAULICH	Saulich-Fairbanks complex, 3 to 12 percent slopes		1
134	STEESE	Steese silt loam, 7 to 12 percent slopes		3
135	STEESE	Steese silt loam, 12 to 45 percent slopes		3
136	STEESE	Steese-Gilmore complex, 10 to 45 percent slopes		3
137	TANANA	Tanana silt loam, moderately wet, 0 to 3 percent slopes		1

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is based on data from the first named component of the soil map unit.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.

Weighted Average Leaching Index Values for CRP
North Star Area, Alaska: Detailed Soil Map Legend (initial)

(see footnotes at end of table)

Map Symbol	Map Unit Name	Drained Index	Undrained Index
101	Bohica silt loam, 0 to 3 percent slopes		3
102	Bohica silt loam, 3 to 7 percent slopes		3
104	Ester peat, 7 to 15 percent slopes		1
105	Ester peat, 15 to 45 percent slopes		1
106	Ester-Gilmore complex, 15 to 45 percent slopes		1
107	Fairbanks silt loam, 3 to 7 percent slopes		3
108	Fairbanks silt loam, 7 to 12 percent slopes		3
109	Fairbanks silt loam, 12 to 20 percent slopes		3
110	Gilmore silt loam, 3 to 7 percent slopes		1
111	Gilmore silt loam, 7 to 12 percent slopes		1
112	Gilmore silt loam, 12 to 45 percent slopes		1
113	Gilmore-Ester complex, 15 to 45 percent slopes		1
114	Gilmore-Steese complex, 3 to 15 percent slopes		2
115	Goldstream peat, 0 to 3 percent slopes		1
116	Goldstream peat, 3 to 7 percent slopes		1
117	Goldstream-Pergelic Cryohemists complex, 0 to 2 percent slopes		1
120	Histic Pergelic Cryaquepts-Fubar complex, 3 to 7 percent slopes		1
123	Jarvis-Fubar complex, 0 to 3 percent slopes		2
124	Jarvis-Salchaket complex, 0 to 3 percent slopes		3
129	Salchaket very fine sandy loam, 0 to 2 percent slopes		3
130	Saulich peat, 3 to 7 percent slopes		1
131	Saulich peat, 7 to 12 percent slopes		1
132	Saulich peat, 12 to 20 percent slopes		1
133	Saulich-Fairbanks complex, 3 to 12 percent slopes		2
134	Steese silt loam, 7 to 12 percent slopes		3
135	Steese silt loam, 12 to 45 percent slopes		3
136	Steese-Gilmore complex, 10 to 45 percent slopes		2
137	Tanana silt loam, moderately wet, 0 to 3 percent slopes		1

This report produces Leaching Index Values (1, 2 and 3) suitable for use as described in Part 539.58 - National Ranking Factor N2, Subfactor B in the CRP Manual. The index information presented in the report is a weighted average of the component indexes by the map unit component percent composition.

The values 1, 2 and 3 are derived by using the same algorithms included in the SOIL PESTICIDE INTERACTION SCREENING PROCEDURE II, Goss and Wauchope, November, 1990. These algorithms produce the leaching values 1, 2, 3 and 4 but this report reverses the order of meaning and combines values 3 and 4. Thus, this report, as required by CRP rules correctly reports 1 as low, 2 as medium, and 3 as high. These values are ready for use in determining signup scores for National ranking subfactor N2 without further code conversion.